

# HA Tag Monoclonal Antibody (2-2.2.14), Biotin

## Product Details

Size	50 µL
Species Reactivity	Tag
Published Species	Tag
Host/Isotype	Mouse / IgG1
Class	Monoclonal
Type	Antibody
Clone	2-2.2.14
Conjugate	Biotin
Immunogen	HA peptide YPYDVPDYA derivitized to ovalbumin.
Form	Liquid
Concentration	1 mg/mL
Purification	Protein G
Storage buffer	PBS with proprietary stabilizer
Contains	0.02% sodium azide
Storage conditions	4° C, do not freeze
RRID	AB_2533050

Applications	Tested Dilution	Publications
Western Blot (WB)	1:500-1:1,000	2 Publications
Immunocytochemistry (ICC/IF)	-	1 Publication
Immunoprecipitation (IP)	Assay-dependent	-
Miscellaneous PubMed (Misc)	-	1 Publication

## Product Specific Information

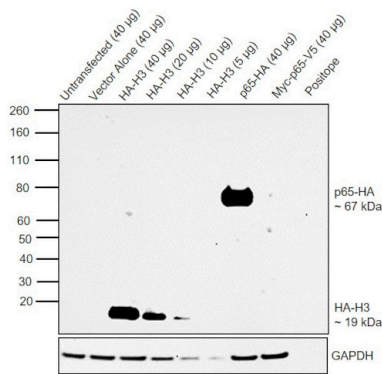
26183-BTIN has been successfully used for Western blot and IP.

HA Synthetic Peptide (Product # 26184) is available for use in neutralization and control experiments and to competitively elute HA-tagged fusion proteins from immobilized anti-HA affinity resin.

Product Images For HA Tag Monoclonal Antibody (2-2.2.14), Biotin

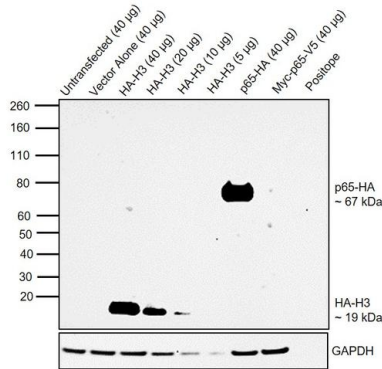
HA Tag Antibody (26183-BTIN)

Antibody specificity was demonstrated by detection of different targets fused to HA tag in transiently transfected lysates tested. Relative detection of HA tag was observed across different proteins fused with HA tag in HA-H3 (Lane 3-6) and p65-HA (Lane 7), using Biotin-conjugated Anti-HA Recombinant Rabbit Monoclonal Antibody (Product # 26183-BTIN) in Western Blot. This product has been shown to detect HA Tag at both N- and C- termini of a fusion protein. {RE}



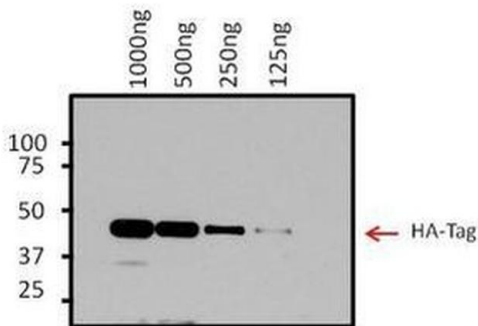
HA Tag Antibody (26183-BTIN) in WB

Western blot was performed using Biotin-conjugated Anti-HA Tag Recombinant Mouse Monoclonal Antibody (Product # 26183-BTIN) by loading whole cell extracts of untransfected and transiently transfected HEK-293E lysates: untransfected, 40 µg (Lane 1), empty vector control, 40 µg (Lane 2), HA-H3, 40 µg (Lane 3), HA-H3, 20 µg (Lane 4), HA-H3, 10 µg (Lane 5), HA-H3, 5 µg (Lane 6), p65-HA, 40 µg (Lane 7), Myc-p65-V5, 40 µg (Lane 8) and 25 ng of Positope (Lane 9) were electrophoresed using NuPAGE™ 4-12% Bis-Tris Protein Gel (Product # NP0322BOX). Resolved proteins were then transferred onto a nitrocellulose membrane (Product # IB23001) by iBlot® 2 Dry Blotting System (Product # IB21001). A ~19 kDa band corresponding to HA-H3 and ~67 kDa band corresponding to p65-HA were observed in HEK293E transfected lysates on probing with the primary antibody (1:1,000 dilution) and detected by chemiluminescence with Poly-HRP Streptavidin (Product # N200, 1:5,000 dilution) using the iBright FL 1500 (Product # A44241). Chemiluminescent detection was performed using Novex® ECL Chemiluminescent Substrate Reagent Kit (Product # WP20005). Positope (Product # R900-50) is a 53 kDa recombinant protein consisting multiple epitope tags but lacks HA tag, which has been used as a negative control for HA tag detection. No cross-reactivity was seen with Myc or V5-tagged p65 expressing lysate.



HA Tag Antibody (26183-BTIN) in WB

Western blot analysis of HA Epitope Tag was performed by various amounts of E. coli lysate containing a multi-epitope tagged protein per well onto a 4-20% Tris-HCl polyacrylamide gel. Proteins were transferred to a nitrocellulose membrane and blocked with 5% BSA/TBST for at least 1 hour. The membrane was probed with an HA Epitope Tag monoclonal antibody (Product # 26183) at a dilution of 1:10,000 for 1 hour at room temperature on a rocking platform, washed in TBS-0.1%Tween-20, and probed with a goat anti-mouse IgG-HRP secondary antibody (Product # 32430) at a dilution of 1:20,000 for at least 1 hour. Chemiluminescent detection was performed using SuperSignal West Pico (Product # 34080).



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Western Blot (2)

International journal of molecular sciences	Year 2022
<b>N-Acetyl -Endorphin Is an Endogenous Ligand of 1Rs That Regulates Mu-Opioid Receptor Signaling by Exchanging G Proteins for 2Rs in 1R Oligomers.</b>	Species Tag
"26183-BTIN was used in Western blotting following immunoprecipitation to suggest that the pharmacological - Endorphin-specific epsilon receptor is a 1R-regulated MOR and that -Endorphin and N-acetyl -Endorphin are endogenous ligands of 1R."	
Authors: Garzón-Niño J,Cortés-Montero E,Rodríguez-Muñoz M,Sánchez-Blázquez P	

PloS one	Year 2014
<b>Valproic acid causes proteasomal degradation of DICER and influences miRNA expression.</b>	Species Tag
"26183-BTIN was used in western blot to study the proteasomal degradation of DICER and altered miRNA levels induced by valproic acid"	
Authors: Zhang Z,Convertini P,Shen M,Xu X,Lemoine F,de la Grange P,Andres DA,Stamm S	

Immunocytochemistry (1)

PLoS pathogens	Year 2022
<b>Deletion of the Plasmodium falciparum exported protein PTP7 leads to Maurer's clefts vesiculation, host cell remodeling defects, and loss of surface presentation of EMP1.</b>	Species Tag
"26183-BTIN was used in Immunocytochemistry-immunofluorescence to describe a protein PF3D7_0301700 (PTP7), that functions at the nexus between the intermediate trafficking organelle, the Maurer's cleft, and the infected red blood cell surface."	
Authors: Carmo OMS,Shami GJ,Cox D,Liu B,Blanch AJ,Tiash S,Tilley L,Dixon MWA	

Miscellaneous PubMed (1)

Nature communications	Year 2017
<b>Phage display and selection of lanthipeptides on the carboxy-terminus of the gene-3 minor coat protein.</b>	Species Tag
"26183-BTIN was used in a study to develop tools for the systematic engineering and selection of lanthipeptides by phage display."	
Authors: Urban JH,Moosmeier MA,Aumüller T,Thein M,Bosma T,Rink R,Groth K,Zulley M,Siegers K,Tissot K,Moll GN, Prassler J	

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